

**[0060]** A communications network which is capable of effectively and efficiently handling fading between mobile wireless user terminals of a packet-switched network with minimal overhead and packet loss, and a method for using the same. The communications network employs an origination mobile terminal and surrounding macroscopic mobile terminals and/or surrounding fixed infrastructure. Communication is established between the origination mobile terminal and surrounding macroscopic mobile terminals and/or surrounding fixed infrastructure. The communication is established via modified request to send (RTS) and clear to send (CTS) messages, wherein the modified messages provide for an additional two sets of  $k$  unicast addresses where  $k$  equals the maximum number of routes available per route entry in the origination mobile terminal's route table.